

Refine Search

Search Results -

Term	Documents
ASCIDIAN	263
ASCIDIANS	109
"3"	20166682
3S	48110
DOMAIN	319283
DOMAINS	138850
((ASCIDIAN ADJ "3" ADJ DOMAIN) AND 9).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	1
(L9 AND ((ASCIDIAN ADJ 3) ADJ DOMAIN)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	1

Database:

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DATE: Friday, August 17, 2007

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DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;
 OP=AND

<u>L12</u>	L9 and ((ascidian adj 3) adj domain)	1	<u>L12</u>
<u>L11</u>	(inhibitory adj G) and (L9 or L3)	1	<u>L11</u>
<u>L10</u>	(Gi adj subunit) same (vector or polynucleotide or DNA)	5	<u>L10</u>

<u>L9</u>	L8 and (dominant adj negative)	53	<u>L9</u>
<u>L8</u>	L7 and L6	148	<u>L8</u>
<u>L7</u>	(truncated or lacking) same (N-terminus or N-terminal)	11540	<u>L7</u>
<u>L6</u>	L5 and (cDNA or vector)	1688	<u>L6</u>
<u>L5</u>	L4 same (inhibitor or suppressor or inhibit or suppresses)	5997	<u>L5</u>
<u>L4</u>	(L-type or L) same (channel)	246870	<u>L4</u>
<u>L3</u>	(kir/GEM)	10	<u>L3</u>
<u>L2</u>	L1 and (Kir/GEM)	1	<u>L2</u>
<u>L1</u>	Sharma-Vinod.in.	75	<u>L1</u>

END OF SEARCH HISTORY



PALM INTRANET

Day : Friday
Date: 8/17/2007

Time: 09:43:59

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name

First Name

Sharma

Vinod

Search

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File 1:ERIC 1965-2007/Jul

(c) format only 2007 Dialog

Set Items Description

Cost is in DialUnits

?

B 155, 73

17aug07 09:10:51 User259876 Session D1033.1

\$0.42 0.119 DialUnits File1

\$0.42 Estimated cost File1

\$0.05 INTERNET

\$0.47 Estimated cost this search

\$0.47 Estimated total session cost 0.119 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1950-2007/Aug 15

(c) format only 2007 Dialog

File 73:EMBASE 1974-2007/Aug 16

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Set Items Description

?

S (KIR/GEM)

>>>Term "GEM" is not defined in one or more files

S1 2271 (KIR/GEM)

?

S (INHIBITORY (W) G) (W) (PROTEIN OR SUBUNIT)

436423 INHIBITORY

1203997 G

3352537 PROTEIN

246323 SUBUNIT

S2 693 (INHIBITORY (W) G) (W) (PROTEIN OR SUBUNIT)

?

S (L-TYPE OR L) (S) (CHANNELS)

0 L-TYPE

1304199 L

201475 CHANNELS

S3 23733 (L-TYPE OR L) (S) (CHANNELS)

?

S S3 (S) (INHIBITOR OR SUPPRESSOR OR ANTAGONIST OR INHIBITS OR SUPPRESSES)

23733 S3

764506 INHIBITOR

141965 SUPPRESSOR

331441 ANTAGONIST

211076 INHIBITS

43307 SUPPRESSES
 S4 6886 S3 (S) (INHIBITOR OR SUPPRESSOR OR ANTAGONIST OR INHIBITS
 OR SUPPRESSES)

?

S (TRUNCATED OR LACKING) (S) (N-TERMINAL OR N-TERMINUS)

177825 TRUNCATED

135518 LACKING

0 N-TERMINAL

0 N-TERMINUS

S5 0 (TRUNCATED OR LACKING) (S) (N-TERMINAL OR N-TERMINUS)

?

Set Items Description

S1 2271 (KIR/GEM)

S2 693 (INHIBITORY (W) G) (W) (PROTEIN OR SUBUNIT)

S3 23733 (L-TYPE OR L) (S) (CHANNELS)

S4 6886 S3 (S) (INHIBITOR OR SUPPRESSOR OR ANTAGONIST OR INHIBITS -
 OR SUPPRESSES)

S5 0 (TRUNCATED OR LACKING) (S) (N-TERMINAL OR N-TERMINUS)

?

S S4 AND (DOMINANT (W) NEGATIVE)

6886 S4

195990 DOMINANT

841488 NEGATIVE

31945 DOMINANT(W)NEGATIVE

S6 25 S4 AND (DOMINANT (W) NEGATIVE)

?

Set Items Description

S1 2271 (KIR/GEM)

S2 693 (INHIBITORY (W) G) (W) (PROTEIN OR SUBUNIT)

S3 23733 (L-TYPE OR L) (S) (CHANNELS)

S4 6886 S3 (S) (INHIBITOR OR SUPPRESSOR OR ANTAGONIST OR INHIBITS -
 OR SUPPRESSES)

S5 0 (TRUNCATED OR LACKING) (S) (N-TERMINAL OR N-TERMINUS)

S6 25 S4 AND (DOMINANT (W) NEGATIVE)

?

S (S1 OR S6) AND S2

2271 S1

25 S6

693 S2

S7 0 (S1 OR S6) AND S2

?

Set Items Description

S1 2271 (KIR/GEM)

S2 693 (INHIBITORY (W) G) (W) (PROTEIN OR SUBUNIT)

S3 23733 (L-TYPE OR L) (S) (CHANNELS)

S4 6886 S3 (S) (INHIBITOR OR SUPPRESSOR OR ANTAGONIST OR INHIBITS -
 OR SUPPRESSES)

S5 0 (TRUNCATED OR LACKING) (S) (N-TERMINAL OR N-TERMINUS)

S6 25 S4 AND (DOMINANT (W) NEGATIVE)

S7 0 (S1 OR S6) AND S2

?

S (S1 OR S6) AND (ATRIOVENTRICULAR OR ARRHYTHMIA)

2271 S1

25 S6

42196 ATRIOVENTRICULAR

132882 ARRHYTHMIA

S8 17 (S1 OR S6) AND (ATRIOVENTRICULAR OR ARRHYTHMIA)

?

RD

S9 15 RD (unique items)

?

S S9 AND (VECTOR)

15 S9

146115 VECTOR

S10 0 S9 AND (VECTOR)

?

T S9/3,K/ALL

9/3,K/1 (Item 1 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2007 Dialog. All rts. reserv.

24131931 PMID: 17449558

Arrhythmia susceptibility and premature death in transgenic mice overexpressing both SUR1 and Kir6.2[DeltaN30,K185Q] in the heart.

Flagg Thomas P; Patton Brian; Masia Ricard; Mansfield Carrie; Lopatin Anatoli N; Yamada Kathryn A; Nichols Colin G

Department of Cell Biology and Physiology, Washington University School of Medicine, 660 S. Euclid Avenue, St. Louis, MO 63110, USA. tflagg@cellbiology.wustl.edu

American journal of physiology. Heart and circulatory physiology (United States) Jul 2007, 293 (1) pH836-45, ISSN 0363-6135--Print

Journal Code: 100901228

Publishing Model Print-Electronic

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: In Process

Arrhythmia susceptibility and premature death in transgenic mice overexpressing both SUR1 and Kir6.2[DeltaN30,K185Q]...

... a series of transgenic (TG) mice overexpressing an ATP-insensitive inward rectifying K(+) channel protein (Kir)6.2 mutant (Kir6.2[DeltaN30,K185Q]) or the accessory sulfonylurea receptor (SUR)2A (FLAG...

...2[DeltaN30,K185Q] and FLAG-SUR2A at high levels exhibit neither impaired survival nor increased arrhythmia frequency, even with both subunits expressed at high levels. In demonstrating the profound arrhythmic consequences...

9/3,K/2 (Item 2 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2007 Dialog. All rts. reserv.

24038030 PMID: 17293496

Losartan prevents stretch-induced electrical remodeling in cultured atrial neonatal myocytes.

Saygili Erol; Rana Obaida R; Saygili Esra; Reuter Hannes; Frank Konrad; Schwinger Robert H G; Muller-Ehmsen Jochen; Zobel Carsten

Laboratory of Muscle Research and Molecular Cardiology, Department of Internal Medicine III, University of Cologne, Kerpenerstr. 62, 50924 Cologne, Germany.

American journal of physiology. Heart and circulatory physiology (United States) Jun 2007, 292 (6) pH2898-905, ISSN 0363-6135--Print

Journal Code: 100901228

Publishing Model Print-Electronic

Document type: Journal Article; Research Support, Non-U.S. Gov't

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed.

Atrial fibrillation (AF) is the most frequent arrhythmia found in clinical practice. In recent studies, a decrease in the development or recurrence of...

...expression, indicating hypertrophy. Expression of genes encoding for the inward rectifier K(+) current (I(K1)), Kir 2.1, and Kir 2.3, as well as the gene encoding for the ultrarapid delayed rectifier K(+) current...

9/3,K/3 (Item 3 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2007 Dialog. All rts. reserv.

22931799 PMID: 17095564

Up-regulation of the inward rectifier K+ current (I K1) in the mouse heart accelerates and stabilizes rotors.

Noujaim Sami F; Pandit Sandeep V; Berenfeld Omer; Vikstrom Karen; Cerrone Marina; Mironov Sergey; Zuger Mayr Michelle; Lopatin Anatoli N; Jalife Jose
Institute for Cardiovascular Research and Department of Pharmacology, SUNY Upstate Medical University, Syracuse, NY 13210, USA.

Journal of physiology (England) Jan 1 2007, 578 (Pt 1) p315-26,

ISSN 0022-3751--Print Journal Code: 0266262

Contract/Grant No.: P01 HL039707; HL; NHLBI; R01 HL060843; HL; NHLBI; R01 HL070074; HL; NHLBI; R01 HL69052; HL; NHLBI

Publishing Model Print-Electronic

Document type: In Vitro; Journal Article; Research Support, N.I.H., Extramural; Research Support, Non-U.S. Gov't

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... fibrillation (VF). To test this hypothesis, we used a line of transgenic mice (TG) overexpressing Kir 2.1-green fluorescent protein (GFP) fusion protein in a cardiac-specific manner. Optical mapping...

; Animals; Arrhythmia --drug therapy--DT; Arrhythmia --physiopathology--PP; Atrial Fibrillation--physiopathology--PP; Atrial Flutter --physiopathology--PP; Cardiomegaly--physiopathology--PP; Computer Simulation...

9/3,K/4 (Item 4 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2007 Dialog. All rts. reserv.

16220573 PMID: 16617135

Inward rectifying potassium channels facilitate cell-to-cell communication in hamster retractor muscle feed arteries.

Jantzi Micaela C; Brett Suzanne E; Jackson William F; Corteling Randolph; Vigmond Edward J; Welsh Donald G

Smooth Muscle Research Group and the Department of Physiology and Biophysics, HM-86, Heritage Medical Research Bldg., 3330 Hospital Dr., NW, University of Calgary, Alberta, Canada, T2N-4N1.

American journal of physiology. Heart and circulatory physiology (United States) Sep 2006, 291 (3) pH1319-28, ISSN 0363-6135--Print

Journal Code: 100901228

Contract/Grant No.: HL-32469; HL; NHLBI

Publishing Model Print-Electronic

Document type: Journal Article; Research Support, N.I.H., Extramural; Research Support, Non-U.S. Gov't

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

This study examined whether inward rectifying K⁺ (KIR) channels facilitate cell-to-cell communication along skeletal muscle resistance arteries. With the use of feed arteries from the hamster retractor muscle, experiments examined whether KIR channels were functionally expressed and whether channel blockade attenuated the conduction of acetylcholine-induced vasodilation, an index of cell-to-cell communication. Consistent with KIR channel expression, this study observed the following: 1) a sustained Ba²⁺-sensitive, K⁺-induced dilation...

... local and conducted response to acetylcholine was attenuated, a finding consistent with a role for KIR in facilitating cell-to-cell communication. A computational model of vascular communication accurately predicted these...

...effect on the local or conducted vasodilatory response to acetylcholine. We conclude that smooth muscle KIR channels play a key role in facilitating cell-to-cell communication along skeletal muscle resistance...

; Acetylcholine--pharmacology--PD; Animals; Anti- Arrhythmia Agents --pharmacology--PD; Arteries--cytology--CY; Arteries--metabolism--ME; Barium--pharmacology--PD; Computer Simulation; Cricetinae...

Chemical Name: Anti- Arrhythmia Agents; Kir2.1 channel; Kir2.2 channel; Potassium Channels, Inwardly Rectifying; Glyburide; Acetylcholine; Barium

9/3,K/5 (Item 5 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

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15221887 PMID: 15581370

Characterization of inward-rectifier K⁺ channel inhibition by antiarrhythmic piperazine.

Xu Yanping; Lu Zhe

Department of Physiology, University of Pennsylvania, 3700 Hamilton Walk, Philadelphia, Pennsylvania 19104, USA.

Biochemistry (United States) Dec 14 2004, 43 (49) p15577-83, ISSN 0006-2960--Print Journal Code: 0370623

Contract/Grant No.: GM61929; GM; NIGMS

Publishing Model Print

Document type: Comparative Study; Journal Article; Research Support, U.S. Gov't, P.H.S.

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Strong inward-rectifier K(+) (Kir) channels play a significant role in shaping the cardiac action potential: they help produce its...

Descriptors: *Anti- Arrhythmia Agents--chemistry--CH; *Piperazines --chemistry--CH; *Potassium Channel Blockers--chemistry--CH; *Potassium Channels, Inwardly Rectifying...

; Animals; Anti- Arrhythmia Agents--metabolism--ME; Extracellular Space --metabolism--ME; Humans; Mice; Mutagenesis, Site-Directed; Piperazines --metabolism--ME...

Chemical Name: Anti- Arrhythmia Agents; KCNJ1 protein, human; Kcnj1 protein, mouse; Piperazines; Potassium Channel Blockers; Potassium Channels ; Potassium Channels...

9/3,K/6 (Item 6 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2007 Dialog. All rts. reserv.

15008700 PMID: 15269659

[Andersen syndrome: a particular form of paralysis with cardiac dysrhythmia]

Le syndrome d'Andersen: une forme particuliere de paralysie periodique avec dysrhythmie cardiaque:

Pouget J; Philip N; Faugere G; Pellissier J F

Service de neurologie et maladies neuromusculaires, Hopital de La Timone, 264 rue Saint-Pierre, 13005 Marseille, France. jpouget@ap-hm.fr

Revue neurologique (France) May 2004, 160 (5 Pt 2) pS38-42, ISSN 0035-3787--Print Journal Code: 2984779R

Publishing Model Print

Document type: Case Reports; English Abstract; Journal Article

Languages: FRENCH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Andersen syndrome includes a clinical triad with periodic paralysis, cardiac arrhythmia and dysmorphic features most often mild but relevant. It is a potassium channelopathy due to mutation of KCJN2 gene coding for Kir 2.1 protein. We report a familial case with mutation R218W of Kir 2.1 and discuss the main phenotypic and genetic aspects of Andersen syndrome. Muscle manifestations...

... contractions, complex ventricular ectopy, polymorphic or bidirectional ventricular tachycardia. Imipramine had a positive effect on arrhythmia in our case. Dysmorphic features are often mild and have to be cautiously looked for...

... cardiac action potential repolarization. Several studies showed a dominant negative effect of the mutation on Kir 2.1 channel function.

Descriptors: *Arrhythmia --physiopathology--PP; *Glycogen Storage Disease Type IV--physiopathology--PP; *Paralysis--physiopathology--PP

9/3,K/7 (Item 7 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

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14742606 PMID: 14754422

Theoretical possibilities for the development of novel antiarrhythmic drugs.

Varro Andras; Biliczki Peter; Iost Norbert; Virag Laszlo; Hala Otto;
Kovacs Peter; Matyus Peter; Papp Julius Gy
Department of Pharmacology & Pharmacotherapy, Albert Szent-Gyorgyi
Medical Center, University of Szeged, Hungary. VARRO@PHCOL.SZOTE.U-SZEGED.H
U

Current medicinal chemistry (Netherlands) Jan 2004, 11 (1) p1-11,
ISSN 0929-8673--Print Journal Code: 9440157
Publishing Model Print
Document type: Journal Article; Research Support, Non-U.S. Gov't; Review
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... no specific blockers for I(to) are currently available. Similarly, no
specific inhibitors for the Kir 2.1, 2.2, 2.3 channels, which carry the
inward rectifier potassium current (I...

... without similar effect in the ventricle. Therefore, AF could be
terminated and torsades de pointes arrhythmia avoided. Several compounds
were reported to inhibit I(Kur)(flecainide, tedisamil, perhexiline,
quinidine, ambasilide, AVE...

Descriptors: *Anti- Arrhythmia Agents--pharmacology--PD; *Atrial
Function--drug effects--DE; *Potassium Channel Blockers--pharmacology--PD;
*Ventricular Function...
; Action Potentials--drug effects--DE; Anti- Arrhythmia Agents--adverse
effects--AE; Atrial Function--physiology--PH; Biological Clocks --drug
effects--DE; Delayed Rectifier...

Chemical Name: Anti- Arrhythmia Agents; Delayed Rectifier Potassium
Channels; KCNA5 protein, human; Kv1.5 Potassium Channel; Potassium Channel
Blockers...

9/3,K/8 (Item 8 from file: 155)
DIALOG(R) File 155:MEDLINE(R)
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11942221 PMID: 9769237

Terikalant, an inward-rectifier potassium channel blocker, does not
abolish the cardioprotection induced by ischemic preconditioning in the
rat.

Schultz J E; Kwok W M; Hsu A K; Gross G J
Department of Pharmacology and Toxicology, Medical College of Wisconsin,
Milwaukee, WI, 53226, USA.

Journal of molecular and cellular cardiology (ENGLAND) Sep 1998, 30
(9) p1817-25, ISSN 0022-2828--Print Journal Code: 0262322
Contract/Grant No.: HL-08311; HL; NHLBI

Publishing Model Print
Document type: Journal Article; Research Support, Non-U.S. Gov't;
Research Support, U.S. Gov't, P.H.S.
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... results have shown that the sulfonylurea receptor couples to several
types of inward-rectifier potassium (KIR) channels, which suggests that
sensitivity to blockade of a pathophysiological phenomenon such as ischemic
preconditioning...

... the ATP-sensitive potassium (KATP) channel. Therefore, to address this
possibility, a role for myocardial KIR v KATP channels in ischemic PC was
evaluated in the rat. To test this hypothesis...

... channel blocker, was used to test the role of other K⁺ channels, most notably the K_{IR}, in the cardioprotective effect of ischemic PC in the rat. TK was given at a...

... that although the myocardial KATP channel belongs to the K_{IR} superfamily, the endogenous myocardial K_{IR} channel does not mediate ischemic PC in the rat heart; however, the KATP channel...

Descriptors: *Anti- Arrhythmia Agents--pharmacology--PD; *Chromans --pharmacology--PD; *Heart--physiology--PH; *Ischemic Preconditioning, Myocardial; *Piperidines--pharmacology--PD...

Chemical Name: ATP-Binding Cassette Transporters; Anti- Arrhythmia Agents; Chromans; Piperidines; Potassium Channels; Potassium Channels, Inwardly Rectifying; uK-ATP-1 potassium channel; terikalant

9/3,K/9 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE
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14558132 EMBASE No: 2007312496

Potassium channel diversity in the pulmonary arteries and pulmonary veins: Implications for regulation of the pulmonary vasculature in health and during pulmonary hypertension

Bonnet S.; Archer S.L.
S.L. Archer, Department of Medicine, University of Chicago, S. Maryland Avenue, Chicago, IL United States
AUTHOR EMAIL: sarcher@medicine.bsd.uchicago.edu
Pharmacology and Therapeutics (PHARMACOL. THER.) (United States) 2007
115/1 (56-69)
CODEN: PHTHD ISSN: 0163-7258
PUBLISHER ITEM IDENTIFIER: S0163725807000769
DOCUMENT TYPE: Journal ; Review
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 103

...SMC) express several K_{IR} channel families, including calcium-sensitive (K_{Ca}), voltage-gated (K_{IR}), inward rectifier (K_{IR}), and 2-pore channels. Diversity is created by heterogeneous occurrence of alternatively spliced, mRNA species...

...cardiomyocytes encompasses a media of typical vascular SMCs. PV cardiomyocytes have rhythmic contraction and their K_{IR}-enriched channels may be relevant to genesis of atrial arrhythmias and pulmonary edema. K_{IR} channel...

MEDICAL DESCRIPTORS:

RNA splicing; alpha chain; apoptosis; beta chain; blood vessel tone; cell proliferation; cytosol; heart arrhythmia ; heart muscle cell; human; hypoxia; hypoxic lung vasoconstriction; lung blood vessel; lung circulation ; lung edema...

9/3,K/10 (Item 2 from file: 73)
DIALOG(R)File 73:EMBASE
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13912329 EMBASE No: 2006330466

Syntaxin-1A actions on sulfonylurea receptor 2A can block acidic pH-induced cardiac K_{IR} channel activation

Kang Y.; Ng B.; Leung Y.-M.; He Y.; Xie H.; Lodwick D.; Norman R.I.; Tinker A.; Tsushima R.G.; Gaisano H.Y.

H.Y. Gaisano, Medical Science Building, University of Toronto, Toronto,
Ont. M5S 1A8 Canada
AUTHOR EMAIL: herbert.gaisano@utoronto.ca
Journal of Biological Chemistry (J. BIOL. CHEM.) (United States) 14
JUL 2006, 281/28 (19019-19028)
CODEN: JBCHA ISSN: 0021-9258 eISSN: 1083-351X
DOCUMENT TYPE: Journal ; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 40

...to SUR2A by acidic pH was further regulated by MgSUP2+ and ATP.
Therefore, pH regulates Kir 6.2/SUR2A channels not only by its direct
actions on the Kir6.2 subunit...

MEDICAL DESCRIPTORS:

...site; potassium current; cell strain HEK293; cytoplasm; carboxy terminal
sequence; protein domain; protein binding; heart arrhythmia ; membrane
fusion; binding affinity; nonhuman; male; rat; controlled study; animal
tissue; article; priority journal

9/3,K/11 (Item 3 from file: 73)
DIALOG(R)File 73:EMBASE
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12674062 EMBASE No: 2004264012

Andersen syndrome: A particular form of periodic paralysis with cardiac
dysrhythmia

LE SYNDROME D'ANDERSEN: UNE FORME PARTICULIERE DE PARALYSIE PERIODIQUE
AVEC DYSRHYTHMIE CARDIAQUE

Pouget J.; Philip N.; Faugere G.; Pellissier J.F.

J. Pouget, Serv. de Neurol./Malad. Neuromusc., Hopital de La Timone, 264
rue Saint-Pierre, 13005 Marseille France

AUTHOR EMAIL: jpouget@ap-hm.fr

Revue Neurologique (REV. NEUROL.) (France) 2004, 160/5 II (4S38-4S42)

CODEN: RENE A ISSN: 0035-3787

DOCUMENT TYPE: Journal ; Conference Paper

LANGUAGE: FRENCH SUMMARY LANGUAGE: ENGLISH; FRENCH

NUMBER OF REFERENCES: 12

Andersen syndrome includes a clinical triad with periodic paralysis,
cardiac arrhythmia and dysmorphic features most often mild but relevant.
It is a potassium channelopathy due to mutation of KCJN2 gene coding for
Kir 2.1 protein. We report a familial case with mutation R218W of Kir
2.1 and discuss the main phenotypic and genetic aspects of Andersen
syndrome. Muscle manifestations...

...contractions, complex ventricular ectopy, polymorphic or bidirectional
ventricular tachycardia. Imipramine had a positive effect on arrhythmia
in our case. Dysmorphic features are often mild and have to be cautiously
looked for...

MEDICAL DESCRIPTORS:

glycogen storage disease type 4; periodic paralysis; heart arrhythmia
--drug therapy--dt; face dysmorphia; gene mutation; genetic code; phenotype
; clinical feature; muscle biopsy; disease...

9/3,K/12 (Item 4 from file: 73)
DIALOG(R)File 73:EMBASE
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12376192 EMBASE No: 2003472532

Toward an Understanding of the Molecular Mechanisms of Ventricular Fibrillation

Jalife J.; Anumonwo J.M.B.; Berenfeld O.

Dr. J. Jalife, Department of Pharmacology, SUNY Upstate Medical University, 766 Irving Avenue, Syracuse, NY 13210 United States

AUTHOR EMAIL: jalifej@upstate.edu

Journal of Interventional Cardiac Electrophysiology (J. INTERVENT. CARD. ELECTROPHYSIOL.) (Netherlands) 2003, 9/2 (119-129)

CODEN: JICEF ISSN: 1383-875X

DOCUMENT TYPE: Journal ; Conference Paper

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 81

MEDICAL DESCRIPTORS:

molecular biology; reentry arrhythmia --etiology--et; heart conduction; membrane channel; isolated heart; guinea pig; heart left ventricle; heart right...

DRUG TERMS (UNCONTROLLED): kir protein--endogenous compound--ec

9/3,K/13 (Item 5 from file: 73)

DIALOG(R)File 73:EMBASE

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11645525 EMBASE No: 2002217175

A glutamate residue at the C terminus regulates activity of inward rectifier KSUP+ channels: Implication for Andersen's syndrome

Chen L.; Kawano T.; Bajic S.; Kaziro Y.; Itoh H.; Art J.J.; Nakajima Y.; Nakajima S.

S. Nakajima, Department of Pharmacology (mc 868), College of Medicine, University of Illinois, Chicago, IL 60612-7343 United States

AUTHOR EMAIL: shign@uic.edu

Proceedings of the National Academy of Sciences of the United States of America (PROC. NATL. ACAD. SCI. U. S. A.) (United States) 11 JUN 2002, 99/12 (8430-8435)

CODEN: PNASA ISSN: 0027-8424

DOCUMENT TYPE: Journal ; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 27

...the channel activation. This glutamate (or aspartate) residue is conserved in all members of the Kir family. Substitution of alanine for the glutamate on GIRK1, GIRK2, and IRK2, expressed in HEK293...

MEDICAL DESCRIPTORS:

*potassium channel; *heart arrhythmia --etiology--et; *periodic paralysis --etiology--et

9/3,K/14 (Item 6 from file: 73)

DIALOG(R)File 73:EMBASE

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11218285 EMBASE No: 2001232967

The consequences of disrupting cardiac inwardly rectifying KSUP+ current (ISBK1) as revealed by the targeted deletion of the murine Kir2.1 and Kir2.2 genes

Zaritsky J.J.; Redell J.B.; Tempel B.L.; Schwarz T.L.

T.L. Schwarz, Division of Neuroscience, Children's Hospital, 300 Longwood Avenue, Boston, MA 02115 United States

AUTHOR EMAIL: thomas.schwarz@tch.harvard.edu

Journal of Physiology (J. PHYSIOL.) (United Kingdom) 15 JUN 2001,
 533/3 (697-710)
 CODEN: JPHYA ISSN: 0022-3751
 DOCUMENT TYPE: Journal ; Article
 LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
 NUMBER OF REFERENCES: 51

MEDICAL DESCRIPTORS:

...palate--etiology--et; death; birth; intracellular recording; ion current
 ; mutation; action potential; electrocardiogram; extrasystole; reentry
 arrhythmia --diagnosis--di; reentry arrhythmia --etiology--et; heart
 automaticity; cell mutant; sinus rhythm; heart pacing; bradycardia;
 phenotype; nonhuman; mouse; animal...

DRUG TERMS (UNCONTROLLED): Kir 2.1 protein--endogenous compound--ec; Kir
 2.2 protein--endogenous compound--ec

9/3,K/15 (Item 7 from file: 73)

DIALOG(R)File 73:EMBASE

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10725809 EMBASE No: 2000132732

Direct block of inward rectifier potassium channels by nicotine

Wang H.; Yang B.; Zhang L.; Xu D.; Wang Z.

H. Wang, Research Center, Montreal Heart Institute, Montreal, Que. H1T
 1C8 Canada

Toxicology and Applied Pharmacology (TOXICOL. APPL. PHARMACOL.) (United
 States) 01 APR 2000, 164/1 (97-101)

CODEN: TXAPA ISSN: 0041-008X

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 42

...1 muM) all failed to restore the depressed currents, suggesting that
 nicotine acted directly on Kir channels, independent of catecholamine
 release. This property of nicotine may explain its membrane-depolarizing
 and...

MEDICAL DESCRIPTORS:

*potassium channel; *heart arrhythmia
 ?

Set	Items	Description
S1	2271	(KIR/GEM)
S2	693	(INHIBITORY (W) G) (W) (PROTEIN OR SUBUNIT)
S3	23733	(L-TYPE OR L) (S) (CHANNELS)
S4	6886	S3 (S) (INHIBITOR OR SUPPRESSOR OR ANTAGONIST OR INHIBITS - OR SUPPRESSES)
S5	0	(TRUNCATED OR LACKING) (S) (N-TERMINAL OR N-TERMINUS)
S6	25	S4 AND (DOMINANT (W) NEGATIVE)
S7	0	(S1 OR S6) AND S2
S8	17	(S1 OR S6) AND (ATRIOVENTRICULAR OR ARRHYTHMIA)
S9	15	RD (unique items)
S10	0	S9 AND (VECTOR)
?		

S (CAV1.2)

S11 0 (CAV1.2)

?

Set	Items	Description
S1	2271	(KIR/GEM)
S2	693	(INHIBITORY (W) G) (W) (PROTEIN OR SUBUNIT)
S3	23733	(L-TYPE OR L) (S) (CHANNELS)
S4	6886	S3 (S) (INHIBITOR OR SUPPRESSOR OR ANTAGONIST OR INHIBITS - OR SUPPRESSES)
S5	0	(TRUNCATED OR LACKING) (S) (N-TERMINAL OR N-TERMINUS)
S6	25	S4 AND (DOMINANT (W) NEGATIVE)
S7	0	(S1 OR S6) AND S2
S8	17	(S1 OR S6) AND (ATRIOVENTRICULAR OR ARRHYTHMIA)
S9	15	RD (unique items)
S10	0	S9 AND (VECTOR)
S11	0	(CAV1.2)
?		

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